

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-13 (cancelled).

Claim 14. (new): A purified human nucleic acid sequence encoding an alpha subunit of a sodium channel, wherein said nucleic acid sequence comprises SEQ ID NO: 189, SEQ ID NO: 190, SEQ ID NO: 191, or SEQ ID NO: 192, or a fragment, functional derivative or allelic variant thereof.

Claim 15. (new): The nucleic acid sequence of claim 14, wherein said alpha subunit comprises a nucleic acid sequence comprising SEQ ID NO: 1, SEQ ID NO: 2, SEQ ID NO: 5, SEQ ID NO: 6, SEQ ID NO: 7, SEQ ID NO: 8, SEQ ID NO: 9, SEQ ID NO: 10, SEQ ID NO: 11, SEQ ID NO: 12, SEQ ID NO: 13, SEQ ID NO: 14, SEQ ID NO: 15, SEQ ID NO: 16, SEQ ID NO: 17, SEQ ID NO: 18, SEQ ID NO: 19, SEQ ID NO: 20, SEQ ID NO: 21, SEQ ID NO: 22, SEQ ID NO: 23, SEQ ID NO: 24, SEQ ID NO: 25, SEQ ID NO: 26, SEQ ID NO: 27, SEQ ID NO: 28, SEQ ID NO: 29, SEQ ID NO: 30, SEQ ID NO: 31, or SEQ ID NO: 32, or a fragment, functional derivative or allelic variant thereof.

Claim 16. (new): A purified human nucleic acid sequence encoding an alpha subunit of a sodium channel, wherein said nucleic acid sequence encodes an amino acid sequence comprising SEQ ID NO: 3 or SEQ ID NO: 4, or a fragment, functional derivative or allelic variant thereof.

Claim 17. (new): A vector comprising any one of the sequences of claim 14.

Claim 18. (new): A vector comprising any one of the sequences of claim 15.

Claim 19. (new): A vector comprising any one of the sequences of claim 16.

Claim 20. (new): A cell harboring a vector of claim 17.

Claim 21. (new): A cell harboring a vector of claim 18.

Claim 22. (new): A cell harboring a vector of claim 19.